Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/14/2016 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124082	-1	3.04	123921	3.06
Blue	F	SSC	125000	125072	0	5.29	125601	5.28
Blue	E	FITC	21137	20698	-3	3.62	919	10.25
Blue	D	PE	25913	25048	-4	3.32	897	9.64
Blue	B	PerCP-Cy5-5	46728	46285	-1	4.37	1325	16.10
Blue	A	PE-Cy7	40457	40007	-2	5.73	621	32.50
Red	C	APC	50567	50259	-1	2.84	2899	9.28
Red	A	APC-Cy7	52095	51535	-2	2.86	1066	11.13
Violet	B	V450	13425	12883	-5	3.43	621	8.79
Violet	A	V500	55630	54160	-3	3.18	2415	6.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19104	4.72	600	2	N/A	N/A	Pass
Blue	F	SSC	62161	4.00	524	6	N/A	N/A	Pass
Blue	E	FITC	103	37.06	524	-1	0.0224	115	Pass
Blue	D	PE	195	26.51	518	-1	0.1698	166	Pass
Blue	B	PerCP-Cy5-5	208	41.44	613	0	0.0116	71	Pass
Blue	A	PE-Cy7	68	106.30	664	0	0.0143	11	Pass
Red	C	APC	337	27.77	590	-1	0.0215	117	Pass
Red	A	APC-Cy7	116	40.30	569	-2	0.0057	1633	Pass
Violet	B	V450	75	41.01	460	-3	0.0435	1632	Pass
Violet	A	V500	174	23.80	492	-2	0.0134	514	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.90	-31.19	0.80
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.30
Red	15.35	13.28 - 19.92	N/A	N/A	31.35	31.99	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11622

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments